

**EUROPEAN PATENT APPLICATION**

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**A 61 K 31/185, A 61 K 31/16**  
**A 61 K 37/02, C 07 D 303/38**  
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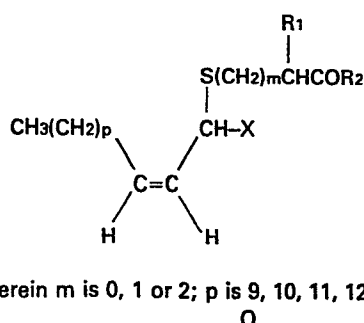
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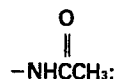
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**Substituted unsaturated mercaptocarboxylic acids and derivatives as leukotriene antagonists.**

The compounds represented by the formula (I)



hydrogen, amino or



R<sub>2</sub> is hydroxyl, amino, -NHCH<sub>2</sub>CO<sub>2</sub>H,

-NCH<sub>2</sub>CO<sub>2</sub>H, -NHCHCO<sub>2</sub>H, -NHCHCO<sub>2</sub>H or



or -CH(CH<sub>2</sub>)<sub>n</sub>COR,



wherein n is 1 or 2, Y is hydrogen or hydroxyl or amino with the proviso that when m is 0, R<sub>1</sub> is hydrogen, or a pharmaceutically acceptable salt thereof have been found to be leukotriene antagonists and useful in the treatment of diseases in which leukotrienes are a factor, such as asthma.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	<p>EP - A - 0 068 739 (LILLY INDUSTRIES)</p> <p>* Claim 11 *</p> <p>--</p>		<p>C 07 C 149/20 149/23 103/52 149/243 A 61 K 31/10 31/185 31/16 37/02 C 07 D 303/38 303/40 303/46</p>
A	<p>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 78, no. 5, May 1981, Medical Sciences Washington, US</p> <p>J.M. DRAZEN et al.: "Contractile activities of structural analogs of leukotrienes C and D: Necessity of a hydrophobic region ", pages 3195-3198</p> <p>-----</p>		<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 3)</p> <p>C 07 C 149/00 103/00</p>
The present search report has been drawn up for all claims--			
Place of search The Hague		Date of completion of the search 24-07-1984	Examiner VAN GEYT
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			



## CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

## X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

- 1) Claims 1-10, 12-15: Compounds of formula (I), their preparations and uses; intermediates of formula (C)
- 2) Claim 11: Compounds of formula (B).

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-10, 12-15